Diploma in VLSI Design

Objective of the Course:

To introduce the fundamental principles of VLSI circuit design, to examine the basic building blocks of large scale digital integrated circuits and to provide hands on design experience with professional design (EDA) platforms.

Learning Outcomes:

After the end of the course the student will be able to design digital systems, system architectures, hardware description language required for VLSI design such as VHDL and Verilog.

Expected Job Roles:

VLSI Senior Engineer

Duration of the Course 200 hrs (in hours)

Appr. Fees (INR): Rs.16,000/-

Minimum EligibilityEngineering Graduates (Undergoing also)Criteria and pre-requisites, if any

Outline of Course

S. No	Торіс	Minimum No. of Hours
1.	Advanced digital Design	20 hrs
2.	CMOS Circuit Design	10 hrs
3.	HDL Languages (VHDL, verilog)	20 hrs
4.	FPGA Architecture	20 hrs
5.	ASIC	10 hrs
6.	Mini project	40 hrs
	Theory / Lecture Hours:	80 hrs
	Practical / Tutorial / Lecture Hours:	120 hrs (including project)
	Total Hours:	200 hrs

Books recomm for reference a reading:		CMOS VLSI Design By	Neil. H. Weste & David F. Har	ris
Group Code:	VLSI	Group Name:	Diploma in VLSI	
Course Code:	DP01	Course Name:	Diploma in VLSI Design	